

K. Shukla

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4-16-01
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TECH CENTER 1600/2900

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/316,048A
DATE: 03/27/2001
TIME: 07:17:16

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Output Set: N:\CRF3\03272001\I316048A.raw

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3 <110> APPLICANT: MOULAND, Andrew J.
4      COHEN, Eric A.
5      WICKHAM, Louise
6      LUO, Ming
7      DUCHAINE, Thomas
9 <120> TITLE OF INVENTION: MAMMALIAN STAUFEN AND USE THEREOF
11 <130> FILE REFERENCE: 10875-77
13 <140> CURRENT APPLICATION NUMBER: 09/316,048A
14 <141> CURRENT FILING DATE: 1999-05-21
16 <150> PRIOR APPLICATION NUMBER: CA 2,238,656
17 <151> PRIOR FILING DATE: 1998-05-22
19 <160> NUMBER OF SEQ ID NOS: 27
21 <170> SOFTWARE: PatentIn Ver. 2.1
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37 ggc ggc tgc gcg tct ctc tgc gct ccc gct tcc ttt gac cgc ctc ccc      95
38 Gly Gly Cys Ala Ser Leu Ser Ala Pro Ala Ser Phe Asp Arg Leu Pro
39     20             25             30
41 ccc ccg gcc cgg cgc ccg cct cct cca cgg cca ctc cgc ctc ttc      143
42 Pro Pro Ala Arg Arg Pro Pro Pro Pro Arg Pro Leu Arg Leu Phe
43     35             40             45
45 cct ccc ttc gtc cct tct tcc tct ccc ttt ttt cct tct tcc ttc ccc      191
46 Pro Pro Phe Val Pro Ser Ser Ser Pro Phe Phe Pro Ser Ser Phe Pro
47     50             55             60
49 tcc tcg ccg cca ccg ccc agg acc gcc ggc cgg ggg acg agc tcg gag      239
50 Ser Ser Pro Pro Pro Pro Arg Thr Ala Gly Arg Gly Thr Ser Ser Glu
51     65             70             75
53 cag cag cca gaa agc ata acc cct act gta gaa cta aat gca ctg tgc      287
54 Gln Gln Pro Glu Ser Ile Thr Pro Thr Val Glu Leu Asn Ala Leu Cys
55     80             85             90             95
57 atg aaa ctt gga aaa aaa cca atg tat aag cct gtt gac cct tac tct      335
58 Met Lys Leu Gly Lys Lys Pro Met Tyr Lys Pro Val Asp Pro Tyr Ser
59     100            105            110
61 cgg atg cag tcc acc tat aac tac aac atg aga gga ggt gct tat ccc      383
62 Arg Met Gln Ser Thr Tyr Asn Tyr Asn Met Arg Gly Gly Ala Tyr Pro
63     115            120            125
65 ccg agg tac ttt tac cca ttt cca gtt cca cct tta ctt tat caa gtg      431
66 Pro Arg Tyr Phe Tyr Pro Phe Pro Val Pro Pro Leu Leu Tyr Gln Val
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70 Glu Leu Ser Val Gly Gly Gln Gln Phe Asn Gly Lys Gly Lys Thr Arg
71      145      150      155
73 cag gct gcg aaa cac gat gct gct gcc aaa gcg ttg agg atc ctg cag 527
74 Gln Ala Ala Lys His Asp Ala Ala Ala Lys Ala Leu Arg Ile Leu Gln
75 160      165      170      175
77 aat gag ccc ctg cca gag agg ctg gag gtg aat gga aga gaa tcc gaa 575
78 Asn Glu Pro Leu Pro Glu Arg Leu Glu Val Asn Gly Arg Glu Ser Glu
79      180      185      190
81 gaa gaa aat ctc aat aaa tct gaa ata agt caa gtg ttt gag att gca 623
82 Glu Glu Asn Leu Asn Lys Ser Glu Ile Ser Gln Val Phe Glu Ile Ala
83      195      200      205
85 ctt aaa cgg aac ttg cct gtg aat ttc gag gtg gcc cgg gag agt ggc 671
86 Leu Lys Arg Asn Leu Pro Val Asn Phe Glu Val Ala Arg Glu Ser Gly
87      210      215      220
89 cca ccc cac atg aag aac ttt gtg acc aag gtt tcg gtt ggg gag ttt 719
90 Pro Pro His Met Lys Asn Phe Val Thr Lys Val Ser Val Gly Glu Phe
91      225      230      235
93 gtg ggg gaa ggt gaa ggg aaa agc aag aag att tca aag aaa aat gcc 767
94 Val Gly Glu Gly Glu Gly Lys Ser Lys Lys Ile Ser Lys Lys Asn Ala
95 240      245      250      255
97 gcc ata gct gtt ctt gag gag ctg aag aag tta ccg ccc ctg cct gca 815
98 Ala Ile Ala Val Leu Glu Glu Leu Lys Lys Leu Pro Pro Leu Pro Ala
99      260      265      270
101 gtt gaa cga gta aag cct aga atc aaa aag aaa aca aaa ccc ata gtc 863
102 Val Glu Arg Val Lys Pro Arg Ile Lys Lys Lys Thr Lys Pro Ile Val
103      275      280      285
105 aag cca cag aca agc cca gaa tat ggc cag ggg atc aat ccg att agc 911
106 Lys Pro Gln Thr Ser Pro Glu Tyr Gly Gln Gly Ile Asn Pro Ile Ser
107      290      295      300
109 cga ctg gcc cag atc cag cag gca aaa aag gag aag gag cca gag tac 959
110 Arg Leu Ala Gln Ile Gln Gln Ala Lys Lys Glu Lys Glu Pro Glu Tyr
111      305      310      315
113 acg ctc ctc aca gag cga ggc ctc ccg cgc cgc agg gag ttt gtg atg 1007
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115 320      325      330      335
117 cag gtg aag gtt gga aac cac act gca gaa gga acg ggc acc aac aag 1055
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119      340      345      350
121 aag gtg gcc aag cgc aat gca gcc gag aac atg ctg gag atc ctt ggt 1103
122 Lys Val Ala Lys Arg Asn Ala Ala Glu Asn Met Leu Glu Ile Leu Gly
123      355      360      365
125 ttc aaa gtc ccg cag cgg cag ccc acc aaa ccc gca ctc aag tca gag 1151
126 Phe Lys Val Pro Gln Arg Gln Pro Thr Lys Pro Ala Leu Lys Ser Glu
127      370      375      380
129 gag aag aca ccc ata aag aaa cca ggg gat gga aga aaa gta acc ttt 1199
130 Glu Lys Thr Pro Ile Lys Lys Pro Gly Asp Gly Arg Lys Val Thr Phe
131      385      390      395

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137 gag ttc agg atg cct tat cta agt cat cag cag ctg cct gct gga att 1295
138 Glu Phe Arg Met Pro Tyr Leu Ser His Gln Gln Leu Pro Ala Gly Ile
139 420 425 430
141 ctt ccc atg gtg ccc gag gtc gcc cag gct gta gga gtt agt caa gga 1343
142 Leu Pro Met Val Pro Glu Val Ala Gln Ala Val Gly Val Ser Gln Gly
143 435 440 445
145 cat cac acc aaa gat ttt acc agg gca gct ccg aat cct gcc aag gcc 1391
146 His His Thr Lys Asp Phe Thr Arg Ala Ala Pro Asn Pro Ala Lys Ala
147 450 455 460
149 acg gta act gcc atg ata gcc cga gag ttg ttg tat ggg ggc acc tcg 1439
150 Thr Val Thr Ala Met Ile Ala Arg Glu Leu Leu Tyr Gly Gly Thr Ser
151 465 470 475
153 ccc aca gcc gag acc att tta aag aat aac atc tct tca ggc cac gta 1487
154 Pro Thr Ala Glu Thr Ile Leu Lys Asn Asn Ile Ser Ser Gly His Val
155 480 485 490 495
157 ccc cat gga cct ctc acg aga ccc tct gag caa ctg gac tat ctt tcc 1535
158 Pro His Gly Pro Leu Thr Arg Pro Ser Glu Gln Leu Asp Tyr Leu Ser
159 500 505 510
161 aga gtc cag gga ttc cag gtt gaa tac aaa gac ttc ccc aaa aac aac 1583
162 Arg Val Gln Gly Phe Gln Val Glu Tyr Lys Asp Phe Pro Lys Asn Asn
163 515 520 525
165 aag aac gaa ttt gta tct ctt atc aat tgc tcc tct cag cca cct ctg 1631
166 Lys Asn Glu Phe Val Ser Leu Ile Asn Cys Ser Ser Gln Pro Pro Leu
167 530 535 540
169 atc agc cat ggt atc ggc aag gat gtg gag tcc tgc cat gat atg gct 1679
170 Ile Ser His Gly Ile Gly Lys Asp Val Glu Ser Cys His Asp Met Ala
171 545 550 555
173 gcg ctg aac atc tta aag ttg ctg tct gag ttg gac caa caa agt aca 1727
174 Ala Leu Asn Ile Leu Lys Leu Leu Ser Glu Asp Gln Gln Ser Thr
175 560 565 570 575
177 gag atg cca aga aca gga aac gga cca atg tct gtg tgt ggg agg tgc 1775
178 Glu Met Pro Arg Thr Gly Asn Gly Pro Met Ser Val Cys Gly Arg Cys
179 580 585 590
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241 35 40 45
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244 50 55 60
246 Ser Pro Pro Pro Pro Arg Thr Ala Gly Arg Gly Thr Ser Ser Glu Gln
247 65 70 75 80
249 Gln Pro Glu Ser Ile Thr Pro Thr Val Glu Leu Asn Ala Leu Cys Met
250 85 90 95
252 Lys Leu Gly Lys Lys Pro Met Tyr Lys Pro Val Asp Pro Tyr Ser Arg
253 100 105 110
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262 145 150 155 160
264 Ala Ala Lys His Asp Ala Ala Ala Lys Ala Leu Arg Ile Leu Gln Asn
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267 Glu Pro Leu Pro Glu Arg Leu Glu Val Asn Gly Arg Glu Ser Glu Glu
268 180 185 190
270 Glu Asn Leu Asn Lys Ser Glu Ile Ser Gln Val Phe Glu Ile Ala Leu
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273 Lys Arg Asn Leu Pro Val Asn Phe Glu Val Ala Arg Glu Ser Gly Pro
274 210 215 220
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277 225 230 235 240
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280 245 250 255
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319      450      455      460
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325      485      490      495
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328      500      505      510
330 Val Gln Gly Phe Gln Val Glu Tyr Lys Asp Phe Pro Lys Asn Asn Lys
331      515      520      525
333 Asn Glu Phe Val Ser Leu Ile Asn Cys Ser Ser Gln Pro Pro Leu Ile
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337 545      550      555      560
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